

PATENT DRAWING REVIEW NOTICE
(Under 37 CFR 1.84 and 1.152)

The drawing(s), filed on 3/5/02, are objected by the USPTO Drawing Standard.

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| <p>1) Drawings. 1.84(a): Acceptable categories of drawings: Black ink or Color (3 sets required).
<input type="checkbox"/> Color drawings are not acceptable until petition is granted. Fig(s) _____
<input type="checkbox"/> Pencil and non black not permitted. Fig(s) _____</p> <p>2) Photographs. 1.84(b):
<input type="checkbox"/> One (1) full tone set is required. Fig(s) _____
<input type="checkbox"/> Photographs may not be mounted. 1.84(e).
<input type="checkbox"/> Photographs must meet paper size requirements of 1.84(f). Fig(s) _____</p> <p>3) Type of paper. 1.84(e):
<input type="checkbox"/> Paper not flexible, strong, white and durable. Fig(s) _____
<input type="checkbox"/> Erasures, alterations, over writings, interlineations, folds, copy machine marks not not accepted. Fig(s) _____</p> <p>4) Size of paper. 1.84(f):
Acceptable sizes:
21.0 cm by 29.7 cm (DIN size A4)
21.6 cm by 27.9 cm (8 1/2 x 11 inches)
<input type="checkbox"/> All drawing sheets not the same size. Sheet(s) _____
<input type="checkbox"/> Drawing sheets not an acceptable size. Fig(s) _____</p> <p>5) Margins. 1.84(g):
Acceptable margins:
Top 2.5 cm Left 2.5 cm
Right 1.5 cm Bottom 1.0 cm
<input type="checkbox"/> Margins not acceptable: Fig(s) _____
<input type="checkbox"/> Top (T) <input type="checkbox"/> Left (L)
<input type="checkbox"/> Right (R) <input type="checkbox"/> Bottom (B)</p> <p>6) Views. 1.84(h)
REMINDER: Specification may require revision to Correspond to drawing changes, e.g., if Fig. 1 is changed to Fig. 1A, Fig. 1B, and Fig. 1C, etc., the specification, at the Brief Description of the Drawings, must likewise be changed.
<input type="checkbox"/> View not labeled separately or properly. Fig(s) _____</p> <p>7) Sectional views. 1.84(h)(3):
<input type="checkbox"/> Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____</p> | <p>8) Arrangement of views. 1.84(i):
<input type="checkbox"/> Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____</p> <p>9) Scale. 1.84(k):
<input type="checkbox"/> Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____</p> <p>10) Character of lines, numbers & letters. 1.84(l):
<input type="checkbox"/> Lines, numbers and letters not uniformly thick and well defined, clean, durable and black (poor) line quality. Fig(s) _____</p> <p>11) Shading. 1.84(m):
<input type="checkbox"/> Solid black areas pale. Fig(s) _____
<input type="checkbox"/> Solid black shading not permitted. Fig(s) _____</p> <p>12) Numbers, letters, & reference characters. 1.84(p):
<input type="checkbox"/> Numbers and reference characters not plain and legible. Fig(s) _____
<input type="checkbox"/> Figure legends are poor. Fig(s) _____
<input type="checkbox"/> Numbers and reference characters not oriented in the same direction as the view. 1.84(p)(1). Fig(s) _____
<input type="checkbox"/> English alphabet not used. 1.84(p)(2). Fig(s) _____
<input type="checkbox"/> Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 1.84(p)(3). Fig(s) _____</p> <p>13) Lead lines. 1.84(q):
<input type="checkbox"/> Lead lines missing. Fig(s) _____</p> <p>14) Numbering of sheets of drawings. 1.84(t):
<input type="checkbox"/> Sheets not numbered consecutively, and in Arabic numbers beginning with number 1. Fig(s) _____</p> <p>15) Numbering of views. 1.84(p)(u):
<input type="checkbox"/> Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____</p> <p>16) Design drawings. 1.152
<input type="checkbox"/> Surface shading shown not appropriate. Fig(s) _____
<input type="checkbox"/> Solid black surface shading is not permitted except when used to represent the color black as well as color contrast. Fig(s) _____</p> |
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COMMENTS:

too heavy stippings obscuring structured lines and lead lines obj. (Figs 9 - 12, 21)
cylinder not parallel to dark shaded ellipse obj. (Fig. 22 #270)

Reviewer: Wm J Sale

If you have questions, call at 703.305.8404

Date: 4/15/2004

Attachment Paper No: